

## ABSTRACT

A specified metal member included among the components of a valve, coupling or like fluid handling part for use in piping and fluid control devices is made of an alloy comprising,  
5 in % by weight, 0.001 to 0.01% of C, up to 5% of Si, up to 2% of Mn, up to 0.03% of P, up to 100 ppm of S, up to 50 ppm of O, 18 to 25% of Cr, 15 to 25% of Ni, 4.5 to 7.0% of Mo, 0.5 to 3.0% of Cu, 0.1 to 0.3% of N, and the balance substantially Fe and other inevitable impurities, the alloy having a CRI  
10 (crevice corrosion resistance index) value in the range of  $40 \leq \text{CRI} \leq 55$ , as determined from the expression  $\text{CRI} = [\text{Cr}] + 4 \times [\text{Mo}] + 30 \times [\text{N}]$  wherein the amount of alloy components present in combination in the alloy to ensure crevice corrosion resistance are expressed in % by weight.